

IN THE CLAIMS:

Claims 1-9. (Withdrawn)

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10. (Currently Amended) A method for making wallboard, comprising:  
combining at least fly ash, water and at least a first binder to provide a composition  
having a viscosity, said fly ash being in the range of about 60%-66% by weight, said water  
being in the range of about 31%-37% by weight and said at least first binder being in the  
range of about 1.8%-2.4% by weight; and

joining first and second members to upper and lower portions of said composition  
when said viscosity is at least about 600,000 centipoise; and  
~~completing said wallboard after said joining step.~~

11. (Original) A method, as claimed in Claim 10, wherein:

~~said at least first binder is part of a binder solution that includes at least portions of  
said water and remaining portions of said water being part of a foamable substance and in  
which said foamable substance includes a second binder that is one of: compatible with and  
equivalent to said first binder.~~

12. (Original) A method, as claimed in Claim 11, wherein:

~~each of said first binder and said second binder is different from polyvinyl acetate and  
includes polyvinyl alcohol.~~

13. (Original) A method, as claimed in Claim 10, wherein:

~~at least portions of said at least first binder are part of a binder solution with first  
portions of said water and remaining portions of said at least first binder are part of a  
foamable solution with second portions of said water and said combining step includes  
introducing separately each of said fly ash, said binder solution and said foamable solution  
to a mixer.~~

14. (Original) A method, as claimed in Claim 10, wherein:  
said joining step includes locating said first member on a conveyor and receiving  
portions of said composition in a slurry on said first member and subsequently locating said  
second member on said portions of said composition.

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15. (Original) A method, as claimed in Claim 10, wherein:  
said combining step includes monitoring viscosity of said composition output from  
a mixer.

16. (Original) A method, as claimed in Claim 10, wherein:  
said combining step includes controlling using a control system at least one of a first  
pump mechanism and a first valve device in communication with at least a first vessel  
containing at least some of said at least first binder.

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17. (Original) A method, as claimed in Claim 16, wherein:  
said combining step includes outputting a desired amount of said fly ash from a  
second vessel containing at least said fly ash using said control system.

18. (Original) A method, as claimed in Claim 17, wherein:  
said combining step includes regulating production of a foamable substance that  
includes at least some of said water using said control system and at least one of a second  
valve device and a second pump mechanism.

Claims 19-21. (Canceled)

22. (Currently Amended) A method, as claimed in Claim 10, wherein:  
after said completing joining step, said composition is essentially homogenous in  
that, for each cross-section thereof, an area of .1 square inch is essentially the same as any  
other area of .1 square inch.

23. (Original) A method, as claimed in Claim 10, wherein:  
said combining step includes introducing fibers to said composition in an amount less  
than 1% by weight.

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24. (Canceled)

25. (Currently amended) A method for making wallboard, comprising:  
combining at least fly ash in the range of about 60%-66% by weight, water in the  
range of about 31%-37% by weight and at least a first binder in the range of about 1.8%-  
2.4% by weight to provide a composition having a viscosity; and  
joining first and second members to upper and lower portions of said composition;  
and  
—~~completing said wallboard after said joining step.~~

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26. (Canceled)

27. (Currently amended) A method for making wallboard, comprising:  
combining at least fly ash, water and at least first portions of a first binder in  
providing a composition having a viscosity;  
monitoring said viscosity of said composition;  
5 controlling based on said monitored viscosity at least one of a first pump mechanism  
and a first valve device in communication with at least a first vessel containing at least  
second portions of said at least first binder before said at least second portions are combined  
with at least said fly ash; and  
joining first and second members to upper and lower portions of said composition;  
10 and  
—~~completing said wallboard after said joining step.~~

28. (Currently amended) A method, as claimed in Claim 27, wherein:

said controlling ~~step~~ includes using a control system to control said at least one of  
said first pump mechanism and said first valve device.

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